

Claims

1. A composition comprising electrochemically activated water comprising a chlorine content of no more than 8ppm.

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2. The composition of claim 1, wherein the composition is suitable for use as a disinfectant.

10 3. The composition of claim 1, wherein the chlorine content of the water is between 0.1 and 8ppm and a supersaturated oxygen concentration is between 10 and 20mg/litre.

15 4. The composition of claim 1, wherein the chlorine content of the water is between 0.2 and 6ppm and a supersaturated oxygen concentration is between 11 and 17 mg/litre.

5. The composition of claim 1, wherein the chlorine content of the water is between 0.3 and 4ppm.

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6. The composition of claim 1, wherein said chlorine content is no more than 1ppm.

25 7. The composition of claim 1, wherein the composition comprises the anolyte solution of the electrochemically activated water.

8. The composition of claim 7, wherein the solution further comprises the catholyte solution of the electrochemically activated water.

30 9. The composition of claim 1, wherein the electrochemically activated water has a redox potential of at least +900mV.

10. The composition of claim 9, wherein the electrochemical water includes an active oxygen species in an amount between 13 and 20mg/l.

11. A method of killing or destroying a micro-organism comprising exposing the micro-organism to electrochemically activated water comprising a chlorine content of no more than 8ppm.

5 12. A method of cleaning medical instruments and apparatus comprising exposing the medical instruments and apparatus to electrochemically activated water comprising a chlorine content of no more than 8ppm

10 13. A method of cleaning pipe comprising exposing the pipes to electrochemically activated water comprising a chlorine content of no more than 8ppm.

14. The method of claim 13, wherein the pipes are beer supply pipes.

15 15. A method of treating drinking water comprising exposing the drinking water to electrochemically activated water comprising a chlorine content of no more than 8ppm to reduce or remove microbial contaminants in the drinking water.

20 16. The method of claim 15, wherein the treatment reduces the rate of re-contamination of the drinking water compared to water which has been decontaminated by another means.

25 17. A method of treating a subject having an infection comprising exposing the subject to a therapeutically effective dose of a composition comprising electrochemically activated water comprising a chlorine content of no more than 8ppm.

30 18. The method of claim 17, wherein the composition is for use in the prevention of an infection in a subject.

19. The method of claim 17, wherein a therapeutically effective dose of the composition is administered orally to the subject.

20. The method of claim 17, wherein the composition is administered to the subject prior to, during or after exposure to an infectious micro-organism.

21. The method of claim 20, wherein the micro-organism is a virus.

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22. A method of manufacturing a medicament comprising adding a therapeutically effective dose of a composition comprising electrochemically activated water comprising a chlorine content of no more than 8ppm to the medicament.

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23. A method of producing a composition comprising using a sodium chloride - water solution having a chloride ion concentration of 1000-5000ppm to produce electrochemically active water.

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24. A method of producing a composition comprising applying a current of 1-20 amps to a sodium chloride water solution to produce electrochemically active water.

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25. The method of claim 23, wherein chlorine content of the electrochemically activated water is reduced to 8ppm or less by diluting the electrochemically activated water.

26. The method of claim 24, wherein chlorine content of the electrochemically activated water is reduced to 8ppm or less by diluting the electrochemically activated water.

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